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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

006055

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

MAY 14 1986

DATE: May 14, 1986

SUBJECT: EPA Registration Number: 34913-3  
Spray-Kil K-4

FROM: Deloris F. Graham *DFG 5/20/86*  
Technical Support Section  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)

*E 5/20/86*

TO: Robert Taylor, PM 25  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)

Applicant: SSI Industries, Inc.  
P.O. Box 9276  
4711 Piedmont Road  
Huntington, WV 25704

ACTIVE INGREDIENTS:

111 Bromacil . . . . .	2.0%
410 Diuron . . . . .	2.0%
INERT INGREDIENTS: . . . . .	96.0%

BACKGROUND:

Submitted Acute Oral Toxicity Study to support oral LD50 on "Material Safety Data Sheet." Study conducted by Hazleton Laboratories America, Inc. Data not accessioned. Method of support not indicated.

RECOMMENDATION:

FHB/TSS finds these data acceptable to support acute oral LD50 on "Material Safety Data Sheet."

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REVIEW:

- (1) Acute Oral Toxicity Study: Hazleton Laboratories America, Inc.; Project No. 2214-108; November 8, 1985.

PROCEDURE:

Five male and five female rats each received a single 10,000 mg/kg dose of the test material. Observations made for 14 days posttreatment. Necropsy performed on all animals.

RESULTS:

No mortalities or abnormalities at necropsy reported. Toxic signs reported included depression, ataxia, salivation, tremors, lacrimation, rough coat, hunched, red stains on the nose and/or eyes, urine stains, and soft feces. LD<sub>50</sub> reported to be greater than 10,000 mg/kg.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: IV - CAUTION.

# MATERIAL SAFETY DATA SHEET

MANUFACTURER: SSI Industries, Inc.  
4711 Piedmont Road  
Huntington, WV 25704

Mobley Chemicals, Inc.  
3800 Stone Road  
Kilgore, TX 75662

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EMERGENCY TELEPHONE: Phone CHEMTREC toll free day or night 1-800-424-9300  
or call SSI Industries, Inc. 1-304-429-1371 or Mobley  
Chemicals, Inc. 1-214-984-0270

EFFECTIVE DATE: November 1985

PRODUCT NAME: SPRAKIL K-4 GRANULAR WEED KILLER OR WEED BLAST 4-G WEED KILLER

EPA REGISTRATION NUMBER: 34913-3 or 26932-1

ACTIVE INGREDIENTS: bromacil: 5-bromo-3-sec-butyl-6-methyluracil 2.00%  
diuron: 3-(3,4-dichlorophenyl)-1,1 dimethylurea 2.00%

INERT INGREDIENTS: calcitic limestone (carrier) 94.80%  
mineral seal oil (binder) 1.20%

100.00%

## SECTION I - PHYSICAL DATA

APPEARANCE: Grayish white/light tan granular

VAPOR PRESSURE: Negligible

SOLUBILITY IN WATER: bromacil - 815 ppmw at 25°C  
diuron - 42 ppmw at 25°C

SPECIFIC GRAVITY: 1.55

## SECTION II - HAZARDOUS INGREDIENT(S)

bromacil 2%  
diuron 2%

## SECTION III - TOXICOLOGY

INGESTION: Single dose LD<sub>50</sub> (RAT) 10,000 mg/kg

EYE CONTACT: Essentially non-irritating. May cause mechanical injury.

SKIN CONTACT: Non-irritating. May cause mechanical injury.

INHALATION: Does not present a hazard by the inhalation route since product is granular material.

## SECTION IV - FIRST AID

EYES: Flush with large amounts of water and contact a physician if irritation develops.

SKIN: Wash exposed areas with soap and water. Wash contaminated clothing before reuse.

INHALATION: If discomfort occurs, move to fresh air. If breathing difficulty occurs, consult medical personnel.

## SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

FIRE FIGHTING INFORMATION: Considered non-flammable. Do not allow water run-off from fire site to enter nearby streams, ponds or lakes.

EXTINGUISHING MEDIA: Water

## SECTION VI - REACTIVITY

UNDER NORMAL CONDITIONS: Stable  
CORROSIVENESS: Non-corrosive

## SECTION VII - SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCEDURES: Clean up promptly. Do not flush with water. Pick up dry by sweeping or other effective means. Return undamaged material to original container. Place damaged unusable material in a landfill approved for pesticides in accordance with applicable regulations. If spill is near trees or other valuable plants, remove top two inches or soil after initial cleanup.

## SECTION VIII - TRANSPORTATION, STORAGE AND DISPOSAL

SUGGESTED DISPOSAL METHOD: Dispose of in accordance with applicable local, state and/or federal regulations. Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

## SECTION IX - TRANSPORTATION, STORAGE AND DISPOSAL

SPECIAL PRECAUTIONS: Keep from contact with fertilizers, insecticides, fungicides and seeds. Keep out of reach of children.

## SECTION X - SPECIAL PROTECTION INFORMATION

SPECIAL PROTECTION: None required.

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